

WHAT IS CLAIMED IS:

1. A multi-leaf collimator comprising leaf plate driving body each including a plurality of movable leaf plates and provided respectively on one side and the other side, the plurality of leaf plates of said leaf plate driver on one side and the plurality of leaf plates of said leaf plate driver on the other side being disposed in an opposing relation to form an irradiation field of a radiation beam between the opposing leaf plates,

wherein each of said leaf plate driving body comprises one driving means provided in common to the plurality of leaf plates; and

driving force transmitting means capable of transmitting driving force of said one driving means to the plurality of leaf plates at the same time and cutting off the driving force selectively for each leaf plate.

2. A multi-leaf collimator comprising leaf plate driving body each including a plurality of movable leaf plates and provided respectively on one side and the other side, the plurality of leaf plates of said leaf plate driver on one side and the plurality of leaf plates of said leaf plate driver on the other side being disposed in an opposing relation to form an irradiation field of a radiation beam between the opposing leaf plates,

wherein each of said leaf plate driving body comprises one driving force generating means provided to be capable of

transmitting driving force to the plurality of leaf plates at the same time; and

a plurality of engaging/disengaging means provided in a one-to-one relation to the plurality of leaf plates and being each capable of selectively engaging and disengaging a corresponding leaf plate with and from said one driving force generating means.

3. A multi-leaf collimator according to Claim 1 or 2, wherein each of said leaf plate driving body further comprises holding means capable of abutting against the leaf plates to hold the leaf plates in stationary positions.

4. A medical system including an accelerator, the medical system comprising:

an accelerator; and

an irradiator having a collimator through which a radiation beam emitted from said accelerator passes, and irradiating the beam having passed said collimator,

said collimator comprising leaf plate driving body each including a plurality of movable leaf plates and provided respectively on one side and the other side, the plurality of leaf plates of said leaf plate driving body being disposed in an opposing relation to form an irradiation field of the radiation beam between the opposing leaf plates,

each of said leaf plate driving body comprising one driving means provided in common to the plurality of leaf

plates, and driving force transmitting means capable of transmitting driving force of said one driving means to the plurality of leaf plates at the same time and cutting off the driving force selectively for each leaf plate.

5. A medical system including an accelerator, the medical system comprising:

an accelerator; and

an irradiator having a collimator through which a radiation beam emitted from said accelerator passes, and irradiating the beam having passed said collimator,

said collimator comprising leaf plate driving body each including a plurality of movable leaf plates and provided respectively on one side and the other side, the plurality of leaf plates of said leaf plate driving body being disposed in an opposing relation to form an irradiation field of the radiation beam between the opposing leaf plates,

each of said leaf plate driving body comprising one driving force generating means provided to be capable of transmitting driving force to the plurality of leaf plates at the same time, and a plurality of engaging/disengaging means provided in a one-to-one relation to the plurality of leaf plates and being each capable of selectively engaging and disengaging a corresponding leaf plate with and from said one driving force generating means.

6. A medical system including an accelerator, the

medical system comprising:

an accelerator; and

a rotating irradiator including an irradiator having a collimator through which a radiation beam emitted from said accelerator passes, and irradiating the beam having passed said collimator,

said collimator comprising leaf plate driving body each including a plurality of movable leaf plates and provided respectively on one side and the other side, the plurality of leaf plates of said leaf plate driving body being disposed in an opposing relation to form an irradiation field of the radiation beam between the opposing leaf plates,

each of said leaf plate driving body comprising one driving means provided in common to the plurality of leaf plates, and driving force transmitting means capable of transmitting driving force of said one driving means to the plurality of leaf plates at the same time and cutting off the driving force selectively for each leaf plate.

7. A medical system including an accelerator, the medical system comprising:

an accelerator; and

a rotating irradiator including an irradiator having a collimator through which a radiation beam emitted from said accelerator passes, and irradiating the beam having passed said collimator,

said collimator comprising leaf plate driving body each

including a plurality of movable leaf plates and provided respectively on one side and the other side, the plurality of leaf plates of said leaf plate driving body being disposed in an opposing relation to form an irradiation field of the radiation beam between the opposing leaf plates,

each of said leaf plate driving body comprising one driving force generating means provided to be capable of transmitting driving force to the plurality of leaf plates at the same time, and a plurality of engaging/disengaging means provided in a one-to-one relation to the plurality of leaf plates and being each capable of selectively engaging and disengaging a corresponding leaf plate with and from said one driving force generating means.

8. A medical system including an accelerator according to Claim 4 or 6, further comprising control means for controlling said one driving means and said driving force transmitting means.

9. A medical system including an accelerator according to Claim 5 or 7, further comprising control means for controlling said one driving force generating means and said engaging/disengaging means.

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